

<b>bash commands</b> uname Show system and kernel info date Show system date uptime System uptime whoami Show current user mount Show mounted filesystems man Show manual for command	<b>ls options</b> -l Long list -a Show all(hidden files too) -R Recursive order -r Reverse order -t Sort by last modified -m Comma separated output -Q Quoted output -S Sort by file size	<b>file operations (cont)</b> head show top 10 lines of <i>file1</i> tail show bottom 10 lines of <i>file1</i> <b>IO redirection</b> command read input of <i>file</i> < <i>file</i> command from <i>file</i> command write output to <i>file</i> > <i>file</i> command Append output to <i>file</i> >> <i>file</i> command1 Pipe operator to output of <i>command2</i>   <i>command2</i>	<b>bash shortcuts</b> CTRL Stop current comand - c CTRL Sleep program - z CTRL Go to start - a CTRL Go to end - e CTRL search history - r !! repeat last command !abc run last command starting with abc !\$ last argument of previous command !* all arguments of previous command
<b>bash variables</b> env Show environment variables echo "STRING" Output string echo \$NAME Output value of NAME variable export NAME = value set "value to NAME" \$PATH Executable search path \$HOME Home directory \$SHELL Current shell	<b>file search methods</b> grep Search for patten in files <i>pattern</i> <i>files</i> grep -r Recursive search grep -i Case insensitive search grep -v Inverted search find /dir/ - name Find files starting with <i>name</i> in <i>dir</i> <i>name</i> find /dir/ - user <i>name</i> Find files owned by <i>name</i> in <i>dir</i> locate <i>file</i> Find <i>file</i>	<b>process management</b> ps show processes top show real time processes kill <i>pid</i> Kill process with id <i>pid</i> pkill <i>name</i> Kill process with name <i>name</i> killall <i>name</i> kill all processes with name <i>name</i>	
<b>directory operations</b> pwd Shows present working directory mkdir Make directory dirname cd Change directory dirname cd .. Go to parent directory of current dir ls list files	<b>file operations</b> touch create <i>file1</i> <i>file1</i> cat <i>file1</i> concatenate file and <i>file2</i> output file <i>file1</i> get type of <i>file1</i> cp <i>file1</i> Copy <i>file1</i> to <i>file2</i> <i>file2</i> mv <i>file1</i> Move <i>file1</i> to <i>file2</i> <i>file2</i> rm <i>file1</i> Delete <i>file1</i>	<b>file permissions</b> chown user:group <i>file</i> Change <i>file</i> owner to user and group to group chmod 777 <i>file</i> Change mode of <i>file</i> to 777 The first digit is owner permission, the second is group and third is user 4 read(r) 2 write(w) 1 execute(x)	

